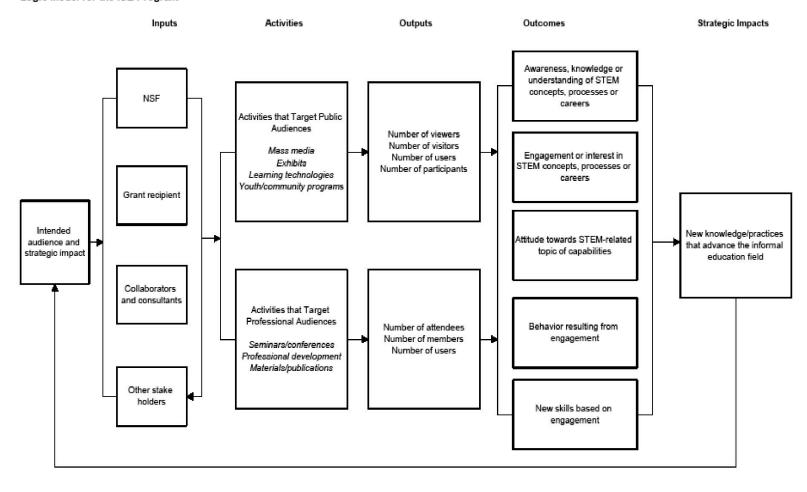
# Logic Model for the ISE Program



#### **High School Apprentice Scientist Program**

#### Inputs/ Context/ Resources

Local science research centers provide internships and speakers

Many first generation collegebound students in area

#### Expansion Goals & Other Activities

 Extend program to middle school students
 Expand number of

institutions involved

Alumni events & activities

#### Program Activities

Recruit diverse group of participants

Give participants authentic science experience •research projects •conferences

Courses and trainings: •general science

- •public speaking •specific research topics
- Guest speakers

Goal setting and evaluation activities

mentoring on college application process

Team building activities

Community service projects

# Short-term outcomes:

Increase specific science skills and knowledge

Increase confidence in ability to be scientists

Increased enjoyment of and interest in science

Participants have more realistic understanding of diversity of science activities and careers

Increase science literacy of participants

Increase personal connection to science

### Short-term outcomes: Other

Interns complete program

Demystify college application process

Provide experiences helpful in college application process

Interns improve job skills

- •Resume/cover letter
- Interview
- •Responsibility (on time, etc)

Increased ability to set and achieve goals

Interns' increased ability to work in diverse teams

# Long-term Outcomes / Impacts

Increase participants' chances of entering and completing college

Increase # of participants who choose science or science ed. careers

Improve transferable job and life skills of participants

Increase sense of community among interns and as members of diverse communities

## Goals

Diversify field of working scientists

- ethnicity/race
- gender
- •SES

Increased science literacy of youth:

Understand "nature of science" (both process and content)

Increased appreciation of value of science

Increased success of (diverse) participating youth

Youth become communityminded citizens